

ABSTRACT

A projection screen for use in a projection system is described. In an embodiment of the present invention, a projection system includes a projector and a projection screen. The projector is configured to project an image composed of visible light in one or more ranges of wavelengths. The projection screen has a plurality of sub-pixels that reflect and/or transmit the one or more ranges of wavelengths to display the image and absorb visible wavelengths of light in at least one other range not included in the one or more ranges. One or more spaces are defined between adjacent sub-pixels that reflect and/or transmit the one or more ranges and the at least one other range.